

FORM PTO-1390  
(REV 10-94)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

10921.363USWO

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

Unknown 10/553336

INTERNATIONAL APPLICATION NO.

PCT/JP2004/005434

INTERNATIONAL FILING DATE

15 April 2004

PRIORITY DATE CLAIMED

16 April 2003

## TITLE OF INVENTION

ANALYZING TOOL BEING REDUCED IN DISTANCE OF DIFFUSION OF REAGENT AND METHOD FOR MANUFACTURE THEREOF

## APPLICANT(S) FOR DO/EO/US

NAGAKAWA et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(l).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ A signed oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11. to 16. below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98, Form 1449, 3 references.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information: International Publication Page, Verification of Translation, Application Data Sheet, Form PCT Request, Form PCT/ISA/210, Form PCT/IB/304, Form PCT/IB/308, Supplementary Form PCT/IB/308, 18 Sheets of Formal Drawings

1620 Rec'd OCT 14 4 OCT 2005

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown		INTERNATIONAL APPLICATION NO. PCT/JP2004/005434		CLASSIFICATION SYMBOL NUMBER 10921.363USWO	
<b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b>					
[X] a) Basic National fee.....				\$300.00	\$300.00
[X] b) Examination fee.....				\$200.00	\$200.00
[X] c) Search fee.....				\$500.00	\$500.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1000.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		Rate	
56	-100 = 0	/50 =		X \$250.00	\$0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS		NUMBER FILED		NUMBER EXTRA	RATE
Total claims		24 -20 = 4		X \$50.00	\$200.00
Independent claims		3 -3 = 0		X \$200.00	\$0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00	\$
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1200.00	
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27				\$	
<b>SUBTOTAL =</b>				\$1200.00	
Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+ \$	
<b>TOTAL NATIONAL FEE =</b>				\$1200.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+ \$	
<b>TOTAL FEES ENCLOSED =</b>				\$1200.00	
				Amount to be: refunded	\$
				charged	\$


a. [X] Check(s) in the amount of \$1200.00 to cover the above fees is enclosed.

b. [ ] Please charge the amount of \$ to cover the required filing fee for a large entity to the credit card listed on the enclosed credit card authorization form.

c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3478.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:  
Douglas P. Mueller  
Hamre, Schumann, Mueller & Larson, P.C.  
P.O. Box 2902-0902  
Minneapolis, MN 55402

SIGNATURE: 

NAME: Douglas P. Mueller

REGISTRATION NUMBER: 30,300

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/553336

Applicant: NAGAKAWA et al.

JC20 Rec'd PGT/PTO 14 OCT 2005

Docket: 10921.363USWO

Title: ANALYZING TOOL BEING REDUCED IN DISTANCE OF DIFFUSION OF  
REAGENT AND METHOD FOR MANUFACTURE THEREOF**CERTIFICATE UNDER 37 CFR 1.10:**

"Express Mail" mailing label number: EV775294775US

Date of Deposit: 14 OCTOBER 2005

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450.

By: 

Name: Yuhgo Maruta

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- ☒ National Stage PCT Patent Application: Spec. 32 pgs; Claims 5 pgs; Abstract 1 pgs.  
The fee has been calculated as shown below in the 'Claims as Filed' table.
- ☒ 18 sheets of formal drawings
- ☒ Check in the amount of \$1200.00 to cover the Filing Fee
- ☒ Information Disclosure Statement, Form 1449, 3 reference(s).
- ☒ Application Data Sheet, 5 pages.
- ☒ Other: International Publication Page, Verification of Translation, Form PCT Request, Form PCT/ISA/210, Form PCT/IB/304, Form PCT/IB/308, Supplementary Form PCT/IB/308, Form PTO-1390
- ☒ Return postcard

**CLAIMS AS FILED**

Number of Claims Filed	No.	In Excess of	Extra	Rate	Fee
<b>Total Claims</b>	24	20	4	50.00	200.00
<b>Independent Claims</b>	3	3	0	200.00	0.00
<b>Multiple Dependent Claims Fee</b>					0.00
<b>Basic Filing Fee</b>					300.00
<b>Search Fee</b>					500.00
<b>Examination Fee</b>					200.00
<b>Utility Application Size Fee</b>	56	100	0	250.00	0.00
<b>Total</b>					\$1200.00

Please charge any additional fees or credit overpayment to Deposit Account No. 50-3478. A duplicate of this sheet is enclosed.

Hamre, Schumann, Mueller & Larson, P.C.  
P.O. Box 2902-0902 Minneapolis, MN 55402  
612.455-3800

By: 

Name: Douglas P. Mueller

Reg. No.: 30,300

Initials: DPM/hjm

**52835**

PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - NEW FILING)

International Application No.: PCT/JP2004/005434

International Filing Date: April 15, 2004

Assignee(s): ARKRAY, Inc.

Title of the Invention: ANALYZING TOOL BEING REDUCED IN  
DISTANCE OF DIFFUSION OF REAGENT  
AND METHOD FOR MANUFACTURE THEREOF

DECLARATION

I, kyoko NAKAGAWA, hereby declare:

that I am a translator belonging to KYOWEY INT'L of  
2-32-1301 Tamatsukuri-Motomachi, Tennoji-ku, Osaka, 543-0014  
Japan;

that I am well acquainted with both the Japanese and English  
languages;

that, for entering the national phase of the  
above-identified international application, I have prepared an  
English translation of the Japanese specification and claims  
as originally filed with the Japanese Patent Office (Receiving  
Office); and

that the said English translation corresponds to the said  
Japanese specification and claims to the best of my knowledge.

I also declare that all statements made herein of my  
knowledge are true and that all statements made on information  
and belief are believed to be true; and further that these  
statements were made with the knowledge that willful false  
statements and the like so made are punishable by fine or  
imprisonment, or both, under Section 1001 of Title 18 of the  
United States Code, and that such willful false statements may  
jeopardize the validity of the application, any patent issuing  
thereon, or any patent to which this verified statements is  
directed.

Declared at Osaka, Japan on September 10, 2005

By Kyoko NAKAGAWA

Signature

*Kyoko Nakagawa*